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**Date:** June 7, 2002

**No. of Pages (including this page):** 27

**To:**

U.S.P.T.O.  
Examiner M. Marcheschi  
Group Art Unit 1755

\*8-703-872-9310

**From:**

Gregory D. Allen  
Office of Intellectual Property Counsel  
3M Innovative Properties Company  
P.O. Box 33427  
St. Paul, MN 55133-3427  
U.S.A.  
Phone: (651) 736-0641  
Fax: (651) 736-3833

**Message:**

Amendment Transmittal form - 1 page  
Amendment under Rule 111 - 19 pages  
Metals Handbook reference - 6 pages

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Office of Intellectual Property Counsel  
 3M Innovative Properties Company  
 PO Box 33427  
 St. Paul, Minnesota 55133-3427  
 651/733 1500

## PATENT

Docket No

55763US002

## Amendment Transmittal Letter

Commissioner for Patents  
 Washington, DC 20231

Inventor(s): Anatoly V. Rosenflanz  
 Application No. 09/618,876  
 Filed: July 19, 2000  
 Title: FUSED  $Al_2O_3$ - $Y_2O_3$ - $ZrO_2$  EUTECTIC ABRASIVE PARTICLES, ABRASIVE ARTICLES, AND METHODS OF MAKING AND USING THE SAME

Group Art Unit: 1755  
 Examiner: M. Marcheschi

- ☒ Enclosed is an amendment in the above-identified application.  
☒ The fee for this amendment is computed as follows:

Claims As Amended						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest No. Previously Paid For	(5) Present Extra	(6) Rate	(7) Additional Fee
Total Claims	80	Minus	** 87	= 0	x \$18.00	= \$0
Independent Claims	13	Minus	*** 13	= 0	x \$84.00	= \$0
Additional fee for filing one or more multiple dependent claims, if no such fee has been previously paid					\$280.00	\$0
Total Additional Fee For This Amendment →						\$0

- \*\* If the "Highest No. Previously Paid For" in this space would be less than 20, write "20" in this space.  
 \*\*\* If the "Highest No. previously Paid For" in this space would be less than 3, write "3" in this space.

- ☒ Please charge to Deposit Account 13-3723 any fees under 37 CFR 1.16 and 1.17 which may be required during the entire pendency of this application. This authorization includes the fee for any extension of time under 37 CFR 1.136(a) that may be necessary. To the extent any such extension should become necessary, it is hereby requested.

Registration Number	Telephone Number
35,048	651-736-0641
Date	June 7, 2002

Respectfully submitted,

Signature

Printed Name

Gregory D. Allen

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Anatoly Z. Rosenflanz

Serial No.: 09/618,876

Filed: July 19, 2000

For: FUSED  $\text{Al}_2\text{O}_3$ - $\text{Y}_2\text{O}_3$ - $\text{ZrO}_2$  EUTECTIC ABRASIVE  
PARTICLES, ABRASIVE ARTICLES, AND METHODS  
OF MAKING AND USING THE SAMEPATENT  
Docket No.: 55763US002

Group Art Unit: 1755

Examiner: M. Marcheschi

18/36  
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D. H. H.CERTIFICATE OF TRANSMISSIONI hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark  
Office on:

June 7, 2002

Date

Signature

AMENDMENT UNDER RULE 111Commissioner for Patents  
Washington, DC 20231

Dear Sir:

In response to the Official Action dated March 7, 2002, please amend the application  
as follows:In The SpecificationA version marked up to show changes made to the specification relative to the  
previous version of the specification is attached.On page 41, please amend the following paragraph starting on line 13 and ending on  
line 22:

FIG. 9 is a scanning electron microscope (SEM) photomicrograph of a  
polished section (prepared as described in Comparative Example A) of fused Comparative  
Example E material. The photomicrograph shows a eutectic-derived microstructure  
comprising a plurality of colonies. The colonies are about 10-40 micrometers in size. Based  
on powder x-ray diffraction of a portion of Comparative Example E material, and  
examination of the polished sample using SEM in the backscattered mode, it is believed that  
the white portions in the photomicrograph were crystalline  $\text{Y}_3\text{Al}_5\text{O}_{12}$ , and the dark portions a

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